

APPENDIX

IN THE CLAIMS:

31. (Amended Two Times) A method for treating a central nervous system (CNS) disease comprising:

administering to a patient in need thereof a composition comprising a fusion protein, wherein the fusion protein comprises a first protein comprising a non-toxic, proteolytic fragment of tetanus toxin (TT) recombinantly fused to a second protein, wherein the non-toxic, proteolytic fragment of tetanus toxin comprises a fragment C and at least the 11 amino acid residues of fragment B that immediately precede the amino terminus of fragment C, and wherein the fusion protein undergoes *in vivo* retrograde axonal transport and transynaptic transport when administered to the patient, wherein the fusion protein effectively treats said patient.

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